

CoraLite® Plus 488-conjugated Phospho-NF- κ B p65 (Ser468) Recombinant antibody

Catalog Number: CL488-82335

Basic Information

Catalog Number:

CL488-82335

Concentration:1000 μ g/ml**Source:**

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC011603

GeneID (NCBI):

5970

UNIPROT ID:

Q04206

Full Name:v-rel reticuloendotheliosis viral
oncogene homolog A (avian)**Calculated MW:**

65 kDa

Observed MW:

75 kDa

Purification Method:

Protein A purification

CloneNo.:

6N1

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse

Background Information

Nuclear factor κ B (NF- κ B) is a collective term for a small family of dimeric transcription factors [comprising p65 (RelA) and RelB, c-Rel, p50/p105 (NF- κ B1), and p52/p100 (NF- κ B2)]. All NF- κ B proteins share a Rel homology domain (RHD), which is responsible for DNA binding and dimerization. Only p65, RelB, and c-Rel contain potent transactivation domains within sequences from the C-terminal to the RHD. Exterior signals lead to the phosphorylation and degradation of the inhibitory complex I κ B, which is modulated by the I κ B kinase (IKK), and its degradation allows for the release of the typical NF- κ B heterodimer, p65/p50, to translocate into the nucleus. NF- κ B binds to its cognate DNA elements and can transcriptionally activate different target genes among which 200-500 genes have been implicated in cell survival/apoptosis, cell growth, immune response, and inflammation.

Storage

Storage:

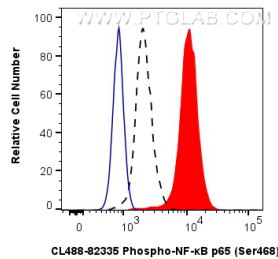
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



1X10⁶ NIH/3T3 cells untreated (dashed lines) or treated with Calyculin A which intracellularly stained with 0.13 ug Coralite® Plus 488 Phospho-NF-κB p65 (Ser468) Recombinant Antibody (CL488-82335, Clone:6N1)(red), or 0.13 ug Coralite® Plus 488 Rabbit IgG Isotype Control RecAb (CL488-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.